

SAMSUNG SSD

SATA 3.0Gb/s(SLC)

| General | | | |
|-------------------------------|---|---------------|----------------|
| | 64GB | 32GB | |
| Manufacturer | SAMSUNG | SAMSUNG | |
| Model | 64GB SATA SSD | 32GB SATA SSD | |
| Interface | SATA 3.0Gb/s | SATA 3.0Gb/s | |
| Performance | | | |
| Host Transfer Rate | 300MB/sec | | |
| Maximum Sequential Read Rate | 100MB/s | | |
| Maximum Sequential Write Rate | 80MB/s | | |
| Drive Capacity | | | |
| | 64GB | 32GB | |
| Unformatted Capacity | 64GB | 32GB | |
| User-Addressable Sectors | 125,045,424 | 62,533,296 | |
| Bytes per Sector | 512 | 512 | |
| Electrical | | | |
| | 2.5" | 1.8" | Slim |
| Voltage | 5V ±5% | 3.3V ±5% | 3.3V ±5% |
| Power Consumption | | | |
| Read/Write | 0.5W/0.35W | | |
| Idle (DIPM Enabled) | 0.2W | | |
| Standby (DIPM Enabled) | 0.2W | | |
| Sleep (DIPM Enabled) | 0.2W | | |
| Reliability | | | |
| S.M.A.R.T Support | Yes | | |
| MTBF | 2,000,000 Hours | | |
| Preventive Maintenance | None required | | |
| Environment | | | |
| Temperature | | | |
| Operating | 0°C to 70°C | | |
| Non-Operating | -55°C to 95°C | | |
| Shock | | | |
| Operating | 1500G, (@ 0.5msec half sine wave) | | |
| Non-Operating | 1500G, (@ 0.5msec half sine wave) | | |
| Vibration | 20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis | | |
| Humidity | 0°C to 55°C / 90~98% RH | | |
| Physical | | | |
| | 2.5" | 1.8" | Slim |
| Width | 69.85 ± 0.25mm | 54.0 ± 0.2mm | 54.0 ± 0.13mm |
| Height | 9.5 ± 0.2mm | 5.0 ± 0.15mm | 3.48 ± 0.13mm |
| Length | 100.3 ± 0.2mm | 78.50 ± 0.3mm | 76.20 ± 0.13mm |
| Weight | 73g | 40g | 20g |